



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



TIMOTEO CELSO OLAMENDI PORTUGAL

Datos Generales

Nombre: TIMOTEO CELSO OLAMENDI PORTUGAL

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 35 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Biotecnología
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

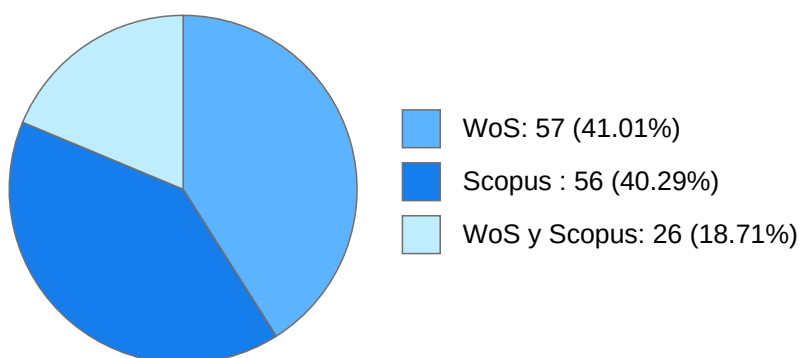
Estímulos, programas, premios y reconocimientos

SNI I - 2021
PRIDE D 2018 - 2024
PRIDE D - 2017

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Characterization of Sodium Channel Peptides Obtained from the Venom of the Scorpion Centruroides bonito	TIMOTEO CELSO OLAMENDI PORTUGAL LIDIA RIAÑO UMBARILA FERNANDO ZAMUDIO ZUÑIGA et al.	Toxins	2024
2	Toxic Peptides from the Mexican Scorpion Centruroides villegasi: Chemical Structure and Evaluation of Recognition by Human Single-Chain Antibodies	LIDIA RIAÑO UMBARILA TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA et al.	Toxins	2024
3	Development of a human antibody fragment cross-neutralizing scorpion toxins	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY BALTAZAR BECERRIL LUJAN et al.	MOLECULAR IMMUNOLOGY	2023
4	Of Seven New K ⁺ Channel Inhibitor Peptides of Centruroides bonito, alpha-KTx 2.24 Has a Picomolar Affinity for Kv1.2	TIMOTEO CELSO OLAMENDI PORTUGAL BALTAZAR BECERRIL LUJAN FERNANDO ZAMUDIO ZUÑIGA et al.	Toxins	2023
5	Neutralization of Centruroides tecomanus scorpion venom by the use of two human recombinant antibody fragments	LIDIA RIAÑO UMBARILA TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	MOLECULAR IMMUNOLOGY	2023

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6	Characterization of Four Medically Important Toxins from Centruroides huichol Scorpion Venom and Its Neutralization by a Single Recombinant Antibody Fragment	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxins	2022
7	Crotoxin B: Heterologous Expression, Protein Folding, Immunogenic Properties, and Irregular Presence in Crotalid Venoms	HERLINDA CATALINA CLEMENT CARRETERO TIMOTEO CELSO OLAMENDI PORTUGAL GERARDO ALFONSO CORZO BURGUETE et al.	Toxins	2022
8	A Novel Insecticidal Spider Peptide that Affects the Mammalian Voltage-Gated Ion Channel hKv1.5	DIANA ALVARADO LIMA HERLINDA CATALINA CLEMENT CARRETERO TIMOTEO CELSO OLAMENDI PORTUGAL et al.	FRONTIERS IN PHARMACOLOG Y	2021
9	A Novel Spider Peptide that Affects the Voltage Gated Potassium Channel Kv1.5	DIANA ALVARADO LIMA HERLINDA CATALINA CLEMENT CARRETERO IVAN ESAU ARENAS ORTIZ et al.	BIOPHYSICAL JOURNAL	2021
10	Toxin Ct1a, from venom of Centruroides tecomanus, modifies the spontaneous firing frequency of neurons in the suprachiasmatic nucleus	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2021
11	Full Neutralization of Centruroides sculpturatus Scorpion Venom by Combining Two Human Antibody Fragments	LIDIA RIAÑO UMBARILA TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxins	2021
12	Transcriptomic and proteomic analyses of the venom and venom glands of Centruroides hirsutipalpus, a dangerous scorpion from Mexico	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY Valdez-Velázquez L.L. et al.	Toxicon	2020
13	Comparative assessment of the VH-VL and VL-VH orientations of single-chain variable fragments of scorpion toxin-neutralizing antibodies	LIDIA RIAÑO UMBARILA MIGUEL ANTONIO COSTAS BASIN TIMOTEO CELSO OLAMENDI PORTUGAL et al.	MOLECULAR IMMUNOLOGY	2020
14	Biochemical, electrophysiological and immunological characterization of the venom from Centruroides baergi, a new scorpion species of medical importance in Mexico	LIDIA RIAÑO UMBARILA TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2020
15	The three-dimensional structure of the toxic peptide CII3 from the scorpion Centruroides limpidus	TIMOTEO CELSO OLAMENDI PORTUGAL BALTAZAR BECERRIL LUJAN LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2020

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16	Generation of a Broadly Cross-Neutralizing Antibody Fragment against Several Mexican Scorpion Venoms	LIDIA RIAÑO UMBARILA TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxins	2019
17	Structural and functional characterization of toxic peptides purified from the venom of the Colombian scorpion Tityus macrochirus	TIMOTEO CELSO OLAMENDI PORTUGAL EDMUNDO GONZALEZ SANTILLAN FERNANDO ZAMUDIO ZUÑIGA et al.	Toxicon	2019
18	Intraspecific variation of Centruroides sculpturatus scorpion venom from two regions of Arizona	TIMOTEO CELSO OLAMENDI PORTUGAL BALTAZAR BECERRIL LUJAN LOURIVAL DOMINGOS POSSANI POSTAY et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	2018
19	Mass fingerprinting and electrophysiological analysis of the venom from the scorpion Centruroides hirsutipalpus (Scorpiones: Buthidae)	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA LOURIVAL DOMINGOS POSSANI POSTAY et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2018
20	New insights into the proteomic characterization of the coral snake Micrurus pyrrhocryptus venom	TIMOTEO CELSO OLAMENDI PORTUGAL CESAR VICENTE FERREIRA BATISTA MARIA MARTHA PEDRAZA ESCALONA et al.	Toxicon	2018
21	Functional and immuno-reactive characterization of a previously undescribed peptide from the venom of the scorpion Centruroides limpidus	TIMOTEO CELSO OLAMENDI PORTUGAL BALTAZAR BECERRIL LUJAN LOURIVAL DOMINGOS POSSANI POSTAY et al.	Peptides	2017
22	Identification, chemical synthesis and heterologous expression of an antinociceptive peptide from the veined tree frog Trachycephalus typhonius	TIMOTEO CELSO OLAMENDI PORTUGAL ERNESTO ORTIZ SURÍ GERARDO ALFONSO CORZO BURGUETE et al.	PROCESS BIOCHEMISTRY	2017
23	Pi5 and Pi6, two undescribed peptides from the venom of the scorpion Pandinus imperator and their effects on K ⁺ -channels	TIMOTEO CELSO OLAMENDI PORTUGAL FROYLAN MIGUEL GOMEZ LAGUNAS LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2017
24	Isolation, chemical and functional characterization of several new K ⁺ -channel blocking peptides from the venom of the scorpion Centruroides tecomanus	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA BALTAZAR BECERRIL LUJAN et al.	Toxicon	2016

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25	Broadening the neutralizing capacity of a family of antibody fragments against different toxins from Mexican scorpions	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY BALTAZAR BECERRIL LUJAN et al.	Toxicon	2016
26	Optimal Neutralization of Centruroides noxius Venom Is Understood through a Structural Complex between Two Antibody Fragments and the Cn2 Toxin	TIMOTEO CELSO OLAMENDI PORTUGAL SONIA PATRICIA ROJAS TREJO ENRIQUE RUDIÑO PIÑERA et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2016
27	Site-directed Mutagenesis Reveals Regions Implicated in the Stability and Fiber Formation of Human lambda 3r Light Chains	Miryam I. Villalba JUAN CARLOS CANUL TEC Oscar D. LunaMartinez et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2015
28	Site-directed mutagenesis reveals regions implicated in the stability and fiber formation of human λ 3r light chains	JUAN CARLOS CANUL TEC ROSALBA SANCHEZ ALCALA LOZADA TIMOTEO CELSO OLAMENDI PORTUGAL et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2015
29	A novel human recombinant antibody fragment capable of neutralizing Mexican scorpion toxins	Lidia Riano Umbarila TIMOTEO CELSO OLAMENDI PORTUGAL Citlalli Morelos Juarez et al.	Toxicon	2013
30	Negative-shift activation, current reduction and resurgent currents induced by β -toxins from Centruroides scorpions in sodium channels	MARIA MARTHA PEDRAZA ESCALONA GEORGINA GURROLA BRIONES TIMOTEO CELSO OLAMENDI PORTUGAL et al.	Toxicon	2012
31	A Single Mutation in Framework 2 of the Heavy Variable Domain Improves the Properties of a Diabody and a Related Single-Chain Antibody	Everardo Remi Rodriguez Rodriguez Luis M. Ledezma Candanoza Luis Gabriel Contreras Ferrat et al.	JOURNAL OF MOLECULAR BIOLOGY	2012
32	Exploiting Cross-reactivity to Neutralize Two Different Scorpion Venoms with One Single Chain Antibody Fragment	Lidia Riano Umbarila Gabriel Contreras Ferrat TIMOTEO CELSO OLAMENDI PORTUGAL et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2011
33	Isolation and molecular cloning of beta-neurotoxins from the venom of the scorpion Centruroides suffusus suffusus	Gerardo Pavel Espino Solis GEORGINA ESTRADA NAVARRETE TIMOTEO CELSO OLAMENDI PORTUGAL et al.	Toxicon	2011
34	Nodulin 41, a novel late nodulin of common bean with peptidase activity	JUAN ELIAS OLIVARES GRAJALES CLAUDIA DIAZ CAMINO GEORGINA ESTRADA NAVARRETE et al.	BMC PLANT BIOLOGY	2011
35	Isolation and characterization of two novel scorpion toxins: The alpha-toxin-like Cell8, specific for Na(v)1.7 channels and the classical anti-mammalian Cell9, specific for Na(v)	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2010

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36	Heterologous expression of a gene that codes for Pg8, a scorpion toxin of <i>Parabuthus granulatus</i> , capable of generating protecting antibodies in mice	BLANCA INES GARCIA GOMEZ TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	Toxicon	2009
37	Proteomic analysis of the venom from the fish eating coral snake <i>Micrurus surinamensis</i> : Novel toxins, their function and phylogeny	TIMOTEO CELSO OLAMENDI PORTUGAL CESAR VICENTE FERREIRA BATISTA Rita Restano Cassulini et al.	Proteomics	2008
38	Two novel ergtoxins, blockers of K(+)-channels, purified from the Mexican scorpion <i>Centruroides elegans elegans</i>	Rita Restano Cassulini TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA et al.	NEUROCHEMICAL RESEARCH	2008
39	Directed evolution, phage display and combination of evolved mutants: A strategy to recover the neutralization properties of the scFv version of BCF2 a neutralizing monoclonal antibody specific to scorpion toxin Cn2	VERONICA QUINTERO HERNANDEZ TIMOTEO CELSO OLAMENDI PORTUGAL ERNESTO ORTIZ SURI et al.	JOURNAL OF MOLECULAR BIOLOGY	2005
40	A strategy for the generation of specific human antibodies by directed evolution and phage display. An example of a single-chain antibody fragment that neutralizes a major component of scorpion venom	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY BALTAZAR BECERRIL LUJAN et al.	FEBS JOURNAL	2005
41	Novel α -KTx peptides from the venom of the scorpion <i>Centruroides elegans</i> selectively blockade Kv1.3 over IKCa1 K ⁺ channels of T cells	TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA BALTAZAR BECERRIL LUJAN et al.	Toxicon	2005
42	Inhibition of the Collapse of the Shaker K ⁺ Conductance by Specific Scorpion Toxins	FROYLAN MIGUEL GOMEZ LAGUNAS CESAR VICENTE FERREIRA BATISTA TIMOTEO CELSO OLAMENDI PORTUGAL et al.	JOURNAL OF GENERAL PHYSIOLOGY	2004
43	A Subfamily of Acidic α -K ⁺ Toxins	TIMOTEO CELSO OLAMENDI PORTUGAL BLANCA INES GARCIA GOMEZ LOURIVAL DOMINGOS POSSANI POSTAY et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2004
44	Disulfide bridges and blockage of Shaker B K ⁺ -channels by another butantoxin peptide purified from the Argentinean scorpion <i>Tityus trivittatus</i>	FREDY INGERBORG CORONAS VALDERRAMA TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA et al.	Toxicon	2003

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45	Scorpion toxins that block T-type Ca^{2+} channels in spermatogenic cells inhibit the sperm acrosome reaction	IGNACIO LOPEZ GONZALEZ TIMOTEO CELSO OLAMENDI PORTUGAL JOSE LUIS DE LA VEGA BELTRAN et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2003
46	Synthesis and characterization of $Pi4$, a scorpion toxin from <i>Pandinus imperator</i> that acts on K^+ channels	TIMOTEO CELSO OLAMENDI PORTUGAL M'Barek S. Mosbah A. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	2003
47	Structural characterization and phylogenetic relationships of myotoxin II from <i>Atropoides (Bothrops) nummifer</i> snake venom, a Lys49 phospholipase A2 homologue	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY Angulo Y. et al.	INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY	2002
48	Cn11, the first example of a scorpion toxin that is a true blocker of Na^+ currents in crayfish neurons	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY Ramirez-Dominguez M.E. et al.	JOURNAL OF EXPERIMENTAL BIOLOGY	2002
49	Two new scorpion toxins that target voltage-gated Ca^{2+} and Na^+ channels	TIMOTEO CELSO OLAMENDI PORTUGAL BLANCA INES GARCIA GOMEZ IGNACIO LOPEZ GONZALEZ et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2002
50	Isolation and characterization of myotoxin II from <i>Atropoides (Bothrops) nummifer</i> snake venom, a new Lys49 phospholipase A2 homologue	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY Angulo Y. et al.	INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY	2000
51	Antimicrobial peptides from the Brazilian frog <i>Phyllomedusa distincta</i>	CESAR VICENTE FERREIRA BATISTA TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY et al.	Peptides	1999
52	Two similar peptides from the venom of the scorpion <i>Pandinus imperator</i> , one highly effective blocker and the other inactive on K^+ channels	TIMOTEO CELSO OLAMENDI PORTUGAL FROYLAN MIGUEL GOMEZ LAGUNAS GEORGINA GURROLA BRIONES et al.	Toxicon	1998
53	Block of ShakerB K^+ channels by $Pi1$, a novel class of scorpion toxin	FROYLAN MIGUEL GOMEZ LAGUNAS TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY	FEBS LETTERS	1997

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54	Two novel toxins from the venom of the scorpion <i>Pandinus imperator</i> show that the N-terminal amino acid sequence is important for their affinities towards shaker B K ⁺ channels	FROYLAN MIGUEL GOMEZ LAGUNAS TIMOTEO CELSO OLAMENDI PORTUGAL FERNANDO ZAMUDIO ZUÑIGA et al.	JOURNAL OF MEMBRANE BIOLOGY	1996
55	A novel structural class of K ⁺ -channel blocking toxin from the scorpion <i>Pandinus imperator</i>	TIMOTEO CELSO OLAMENDI PORTUGAL FROYLAN MIGUEL GOMEZ LAGUNAS GEORGINA GURROLA BRIONES et al.	BIOCHEMICAL JOURNAL	1996
56	The use of synthetic peptides can be a misleading approach to generate vaccines against scorpion toxins	TIMOTEO CELSO OLAMENDI PORTUGAL LOURIVAL DOMINGOS POSSANI POSTAY Calderon-Aranda E.S.	Vaccine	1995
57	Cleavage of the NH ₂ -Terminal Octapeptide of <i>Bothrops asper</i> Myotoxic Lysine-49 Phospholipase A ₂ Reduces Its Membrane-Destabilizing Effect	TIMOTEO CELSO OLAMENDI PORTUGAL Diaz C. Alape A. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1994



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LIBROS Y CAPITULOS CON ISBN

No se encuentran registros en la base de datos de Humanindex asociados a:

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TIMOTEO CELSO OLAMENDI PORTUGAL

PARTICIPACIÓN EN PROYECTOS

No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

No se encuentran registros en la base de datos de TESIUNAM asociados a:

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TIMOTEO CELSO OLAMENDI PORTUGAL

DOCENCIA IMPARTIDA

No se encuentran registros en la base de datos de DGAE asociados a:

TIMOTEO CELSO OLAMENDI PORTUGAL

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PATENTES

#	Título	Inventores	Sección	Año
1	INMUNOGENO RECOMBINANTE PARA LA PRODUCCION DE ANTIVENENOS CONTRA EL VENENO DE ALACRANES DEL GENERO PARABUTHUS.	LOURIVAL DOMINGOS POSSANI POSTAY, BLANCA INES GARCIA GOMEZ, TIMOTEO CELSO OLAMENDI PORTUGAL,	CHEMISTRY; METALLURGY	2016
2	FAMILIA DE VARIANTES DE ANTICUERPOS RECOMBINANTES HUMANOS QUE NEUTRALIZAN A LOS PRINCIPALES VENENOS DE ALACRANES PONZOÑOSOS MEXICANOS.	LIDIA RIAÑO UMBARILA, LOURIVAL DOMINGOS POSSANI POSTAY, TIMOTEO CELSO OLAMENDI PORTUGAL, et al.	CHEMISTRY; METALLURGYHUMAN NECESSITIES	2020

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024